

**DETAILED ACTION**

1. Acknowledgement is made of the amendment received on 6/2/08.

**EXAMINER'S AMENDMENT**

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Alan K. Stewart.

The application has been amended as follows:

In claims:

- (1) In claim 1, line 10, change "the at-speed sensitivity" to - - an at-speed sensitivity - -;
- (2) In claim 12, line 11, change "the at-speed sensitivity" to - - an at-speed sensitivity - -;
- (3) In claim 20, line 9, change "the at-speed sensitivity" to - - an at-speed sensitivity - -.

***Allowable Subject Matter***

3. Claims 1-5, 7-14 and 16-25 are allowed.

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4. The following is an examiner's statement of reasons for allowance: The prior arts of record Garlepp et al (US 20060233291) , Chen et al (US 7092437), Park et al (US 20040076228) do not disclose wherein the equalizer includes a sensitivity test process in which the at-speed sensitivity of the equalizer can be determined, the process includes disabling an input amplifier, providing a predetermined set of tap coefficients to the filter, determining if the sampler generates a repeating pattern associated with the set of tap coefficients, and repeating the sensitivity test process with other predetermined sets of tap coefficients until the sampler no longer determines the repeating pattern associated with the set of tap coefficients provided to the filter.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HELENE TAYONG whose telephone number is (571)270-1675. The examiner can normally be reached on Monday-Friday 8:00 am to 5:30 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Liu Shuwang can be reached on 571-272-3036. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Helene Tayong/

Examiner, Art Unit 2611

July 16, 2008

/Shuwang Liu/

Supervisory Patent Examiner, Art Unit 2611